

Credential Transparency

Welcome! We'll begin in about 5 minutes.

- Please keep your microphone muted until Q/A begins.
 - Do not mute your phone if your system plays music.
- Online attendees are encouraged to send questions using the chat feature.
- We are recording the presentation today.

Workforce Training and Education Coordinating Board





Speaker Panel



Dane LinnVice President, Immigration,
Workforce & Education
Business Roundtable



Brad MarkellExecutive Director *AFL-CIO Working for America Institute*



Scott CheneyExecutive Director
Credential Engine



Eleni Papadakis
Executive Director
Washington's Workforce Board
Board Chair
Credential Engine

Marina Parr, Director of Communications, Washington's Workforce Board
Randy Smith, IT and Research Specialist, Washington's Workforce Board
Lew McMurran, Future of Work Co-Manager, Washington's Workforce Board



Background on Credential Transparency Initiative



Dane LinnVice President, Immigration,
Workforce & Education
Business Roundtable



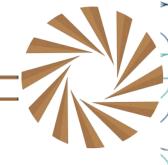
Overview of Credential Engine



Scott CheneyExecutive Director
Credential Engine

Credential Transparency and Literacy in the Marketplace

July 22, 2019





Our Mission and Work

- To bring transparency to all credentials—their content, competencies, assessments, quality indicators, pathways and outcomes.
- To reveal the marketplace of credentials.
- To increase credential literacy.
- To help everyone make more informed decisions about credentials and their value.



The Problem – Lack of Shared Understanding Across <u>All</u> Credentials



The Marketplace of Credentials Is Confusing and Complex:

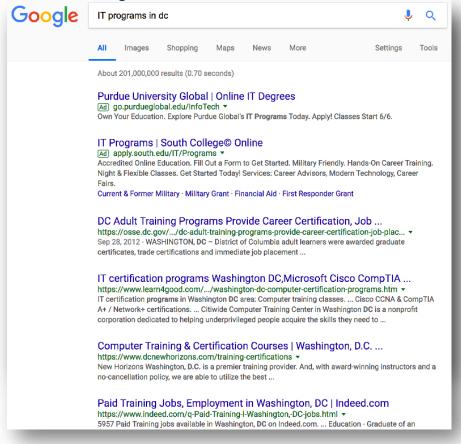
- Many different types of credentials with variation in content, quality and value.
- The market is expanding over 730,000 confirmed in the U.S. alone.
- Previously no common language to describe or compare credentials.
- Misalignment between industry needs and educational offerings.
- No mechanism for stacking credentials based on "competencies."





Moving Credentials to Linked Data

Searching for Hotels v. Credentials



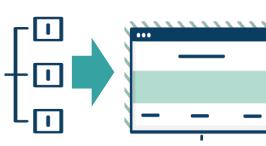
Why are the searches different?

- Travel industry uses linked data.
- Credentials haven't, and most still don't.
- information is not well-organized or comparable.
- With Credential Engine, we're moving the credential marketplace to use linked data, allowing credentials to be searched, discovered and compared just like cars, flights, or commercial goods.
- To get there, we need a common language.
- CTDL is going through the process of gaining recognition to become the official schema for credentials.





How We do it: Transparency Through Technology



Credential Transparency
Description Language
(CTDL) & CTDL-ASN-

Common languages that describes key features of credentials, credentialing organizations, competencies, and quality assurance bodies.

Common descriptors will allow for

better apples-to-apples comparison between credentials.

Publishing – After creating a user account, organizations use the API, Credential Registry Publisher, bulk upload, or—in the future—harvest structured data to convert organization, credential, and quality assurance

language and publish to the

Kegistry

Organizations have a suite of options to add information to the Registry.



Credential Registry -

More than a database, the Registry collects and connects credential data described by the CTDL and supports and open applications marketplace.

Developers can create specialized applications to utilize Registry data for different types of audiences, such as employers, veterans, and students. CREDENTIAI FINDER

Credential Finder Beta
Application – This serves
as a basic search app to
view the information stored
in the Registry.

The public can use the Finder to see all information published to the Registry.



Community – A wide rage of stakeholders receive technical assistance and other services to help them both publish to the Registry and consume the data it houses.

Credentialing bodies, developers, and other users have access to resources such as guides, best practices, and direct staff support.



Open Applications Marketplace



A Common Language Captures & Structures Credential Data

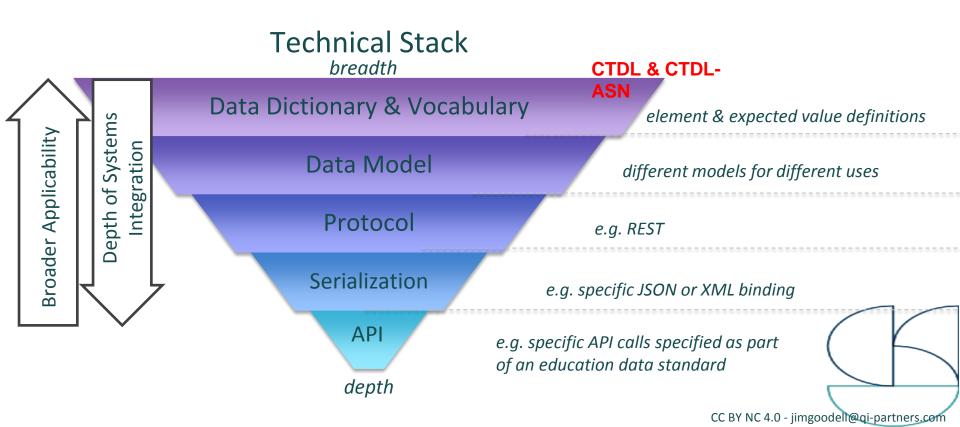
| CREDENTIAL | ORGANIZATION | COST |
|--|---|---|
| Type Description Competencies Owned/Offered By External Quality Assurance Renewal/Revocation Connected Credentials Jurisdiction Pathways | Name / Parent Organization Type Description External Quality Assurance | Price Cost Types Payment Information Residency |
| ASSESSMENTNameCompetencies | LEARNING OPPORTUNITYTypesCompetencies | IN DEVELOPMENT Employment & Earnings Aggregate Credential Holder Profiles |
| Assessment Type Delivery Type Requirements, Duration, and Location | Delivery Requirements, Duration, and Location | Such as pass-rates Military-specific descriptors Employer Requirements, Preferences, or Recognition |

For CTDL's full vocabulary of 400+ terms, visit www.credreg.net



Data Interoperability

No single standard does it all.



Example Benefits of Linked Open Data (LOD)

- Breaking down information silos.
- Linking disparate systems to authoritative sources.
- Enabling useful applications.
 - Linked Open Data is essential for modern apps and services on the semantic web, such as
 - Expedia, Travelocity, Mapquest, Car.com, etc....





https://goo.gl/56oheh

Compare Associate of Applied Science Degree (AAS): Industrial Maintenance Technologies - Advanced Manufacturing Technician Track Gateway Community & Technical College Associate's Degree **Basic Info** Location Info More Info Connect to this Credential Competencies Satellite 24 Teaches 24 Competencies About this Credential The Advanced Manufacturing Technician Program (AMT) is a two-year (five semesters) Connections Associate Degree that combines cutting-edge curriculum, paid working experience along with learning highly sought-after business principles and best practices of world-class Included Credentials manufacturers. It is more than a job, it is a pathway to a career. **Quality Assurance** AMT is more than just sitting in the classroom. The college and the manufacturer work closely Quality Assurance together to enhance student learning. In addition to gaining skill mastery in the educational portion of the program, students learn about the culture of manufacturing through manufacturing workshops such as safety culture, lean manufacturing, problem solving, etc. Owner's Quality Assurance Opportunities to increase communication and presentation skills as well as develop work ethic are also available. Students earn a wage while attending college and gain priceless work Requirements and Recommendations experience with global and local manufacturers. Requires 1 Learning Opportunity Students who participate in the AMT program will have their tuition and fees paid for by their sponsoring company. Participating manufacturers have their own compensation package and **Estimated Costs** rate of pay, raises, and benefits offered are based on the policies of the individual Map data ©2019 Google Terms of Use manufacturer Learning Opportunity Cost 500 Technology Way, Florence, Kentucky 41042, United States Students needing assistance with costs outside of tuition may be eligible for grants and financial aid. Students needing assistance are encouraged to apply early and must start the process by completing an application on the fafsa.gov website. lurisdiction This credential can be used in: **Estimated Time to Earn** United States Estimated: 2 years Owned By **Estimated Time to Complete Required Learning** Gateway Community & Technical College Opportunities Gateway Community and Technical College is Northern Kentucky's only 0 Credentials

Expand/Hide Details

Compare Selected

Discover Credentials Powered by Credential Registry Prototype Phase

Q Search -

Teaches 18 Competencies

Has 1 Common Condition

Quality Assurance

Owner's Quality Assurance

Requires 2 Credentials

Requires 1 Learning Opportunity

About ▼

Compare

Certificate in Supply Chain Management/Logistics

lvy Tech Community College of Indiana Certificate

Basic Info

Connect to this Credential

increase efficiencies.

About this Credential

Ivy Tech's Supply Chain Management program prepares students to enter the workforce with the skills demanded in industry. It addresses the movement and storage of raw materials, work-in-process inventory, analysis and finished goods. Students are able to study and get familiar with the high technologies and information systems used to track goods and



Students will receive short-term certificates that are designed for workforce preparation. They provide access to target training that will be on specific certification exams. Courses in the program also apply toward technical certificates and degree programs.

As part of Governor Holcomb's Next Level Jobs initiative, the Workforce Ready Grant program provides free training for working-age Hoosiers in the state's highest demand jobs. These industries have higher median salaried jobs and are rapidly growing in Indiana - including Advanced Manufacturing, Building & Construction, Health & Life Sciences, Information Technology & Business Services, and Transportation & Logistics. For more information, please refer to https://www.nextleveljobs.org/Job-Seeker/Available-Job-Training

Credential Status Type

Active

Credential Type

Certificate

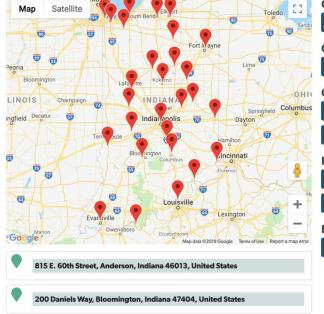
Learning Delivery Type

In-Person Online Only

Subjects

Retail Hospitality Sector

Location Info



4475 Central Avenue, Columbus, Indiana 47203-1868, United States

410 E. Columbus Dr., East Chicago, Indiana 46312, United States

3501 N. First Avenue, Evansville, Indiana 47710, United States

More Info

Competencies

18

Connections

Quality Assurance

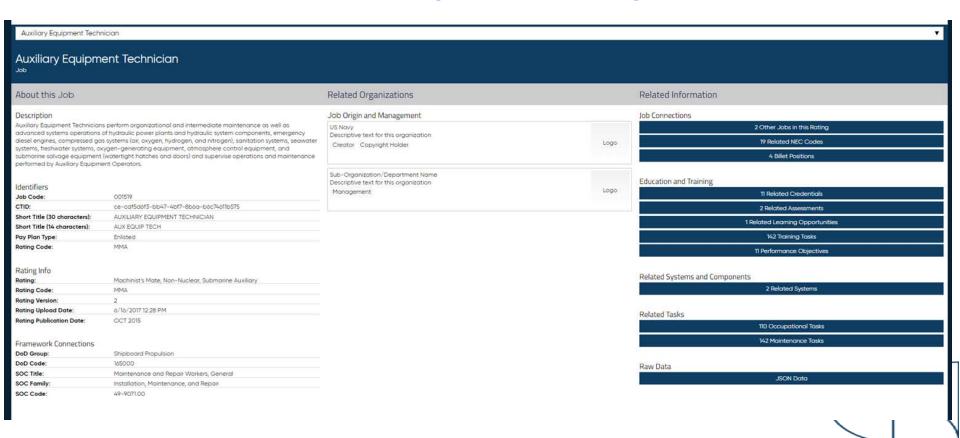
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Requirements and Recommendations

Estimated Costs

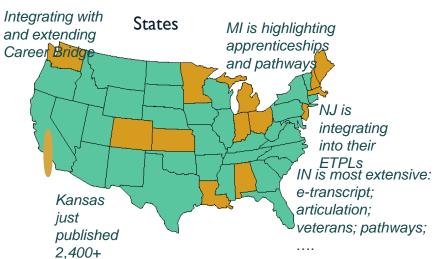
Cost

https://credentialengine.net/pages/jobdetails





Partnerships for Scaling Up







- Navy Personnel & Training
- White House Learner Record initiative
- Dept. of Ed's Scorecard

Industry Sectors





Third Party Publishing



Associations







Retail & Hospitality Credentials Initiative

National Retail & Hospitality Initiative Initiative:

- Identify, collect, and publish retail, restaurant, and hospitality credentials—from badges to degrees and everything in between—to the Credential Registry.
- Engage certification bodies, industry associations, community colleges, unions, apprenticeship programs, employers, and more in publishing credentials.

RHCI Working Group Priorities:

- Contribute to the credential inventory (180+ initial credentials identified) and outreach to credential issuers.
- Recommend applications and tools that ensure the data gets into the hands of employers, workers, students, and more.
- Participate in breakout groups tackling different topics (e.g. career pathways, employers, credential quality).
- Recommend next steps or "phase two" of the project.



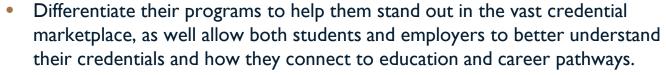


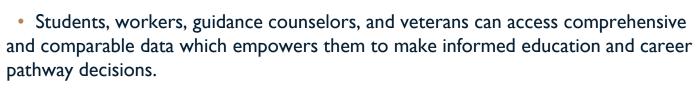


Who Benefits from the Credential Registry Data?











Employers and HR systems can

• Integrate Registry data to help find, signal, and understand the credentials that have value to their business needs, and add context to the hiring process.



Policymakers can

 Make better decisions about how to address economic, workforce, and education challenges, as well as break down data silos.





A State Roadmap to Credential Transparency

Make the Case (that this is about improving labor market outcomes for everyone!)

- 1. Communicate clear use cases to benefit students, workers, employers, educators, programs, and key policy goals.
- 2. Identify what data about credentials is necessary to be transparent and publicly available.

Align with Existing Education and Workforce Data Commitments

3. Ensure that this roadmap is integrated with, complements, and extends on-going P-20-W data efforts underway in the state to ensure continuity and effectiveness.

Catalog and Publish the Credentials Offered and Sought in Your State

- 4. Inventory all credentials in the state.
- 5. Publish all credentials and their competencies to the Credential Registry and the open web in CTDL and CTDL-ASN.

Turn these Data into Actionable Information

- 6. Link and align credential data with other essential data in the state.
- 7. Support the creation of end user tools, services and systems with robust navigation and guidance capabilities.
- 8. Ensure sustainability of credential transparency through legislative, agency and institution policies that continuously improve credential transparency for the benefit of its citizens and markets.
- 9. Establish the necessary infrastructure for enduring data transparency.





State Policy Options

- Identify a state lead to oversee credential transparency work
- Assist major education and training providers, systems and coordinating boards with publishing rich credential & competency information
 - Have the same adopt official positions toward this goal
- Integrate use of these data into state tools to identify credentials of quality that are eligible for certain uses
- Consider legislative language that promotes and rewards transparency





A Few Notes...

- Public Service Non-Profit.
- No Fees to Publish Data.
- No Fees for Non-Commercial Use.
- Our language is an open, Creative Commons Licensed schema.
- Our role is NOT to define quality, but to provide appropriate ways to have quality described and determined by appropriate entities (i.e. accreditors, state agencies, etc.).
- We do not collect or track individuals or their data.



For more information

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Emilie Rafal Director of Programs erafal@credentialengine.org

Jen Briones Project Manager jbriones@credentialengine.org

: info@credentialengine.org

: credentialengine.org

Technical Information: www.credreg.net/

Credential Finder Search App Prototype:

http://credentialfinder.org





Credential Transparency from the Business Perspective



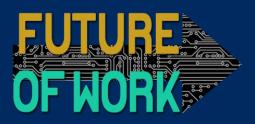
Dane Linn
Vice President, Immigration,
Workforce & Education
Business Roundtable



Credential Transparency from the Workers' Perspective



Brad Markell
Executive Director
AFL-CIO Working for America
Institute



Credential Transparency

Q&A Session

Workforce Training and Education Coordinating Board



Building Credential Transparency with Credential Engine partnership

Marina Parr, Workforce Board Communications Director

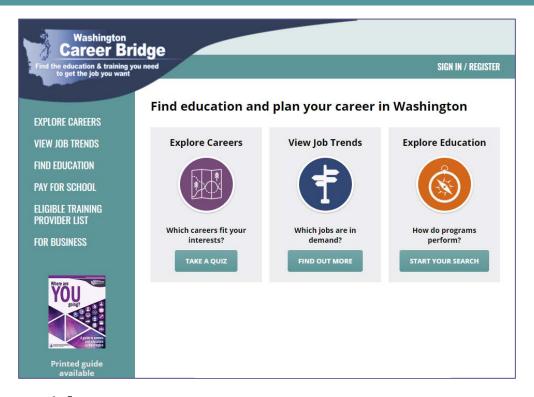
Randy Smith, Workforce Board IT and Research Specialist

Workforce Training and Education Coordinating Board





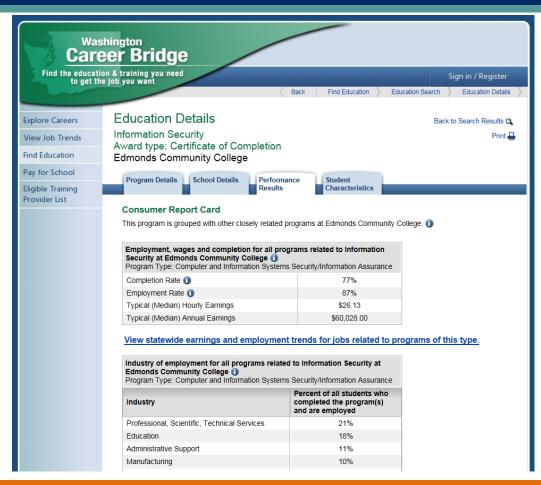
Career Bridge: Charting credential paths



CareerBridge.wa.gov is a state website that connects to over 6,500 Washington education programs in one place.

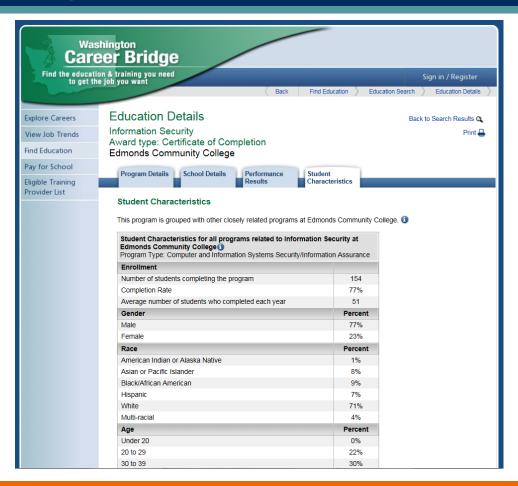


Career Bridge Consumer Report Card





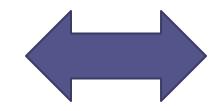
Career Bridge Student Characteristics





Career Bridge - Credential Engine









New language to describe credentials

- Career Bridge data model: School-Location-Program-Occupation
- Credential Transparency Description Language (CTDL)
- Credential Registry allows Third-Party Publishers
- Workforce Board will continue to evaluate performance



New project highlights value of credentials

Workforce Board partners with Credential Engine to:

- Develop technology to upload thousands of WA education programs from Career Bridge to Credential Engine.
- Help employers make better hiring decisions based on actual skills/competencies.
- Help schools understand value of marketing their programs to national audience.
- Build a sustainable project that encourages continued participation from schools.



Potential policies to explore

- How to transition current credentialing system into a common language that highlights skills and abilities?
- How to ensure what we're credentialing is what the employer is looking for?
- How to track the value of all credentials to employers and participants through performance analysis?
- Occupational data needs to be collected from WA businesses to more accurately show connection between training and employment.



Looking Ahead

- Stakeholder engagement
- Ongoing research
- Policy formation
- Three Task Force meetings remaining
- Final recommendations due December 1, 2019

Upcoming 2019 Task Force Meetings

August 8th, Spokane October 10th, SeaTac November 7th, Olympia

Thank you!

Learn more at www.wtb.wa.gov

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